

Training And Placement Management System

Project Guide

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Abstract:

Training and Placement is the pivotal part of any educational institute in which utmost of the work till now is being done manually. From a pupil's perspective, placements can bring a wide range of benefits and openings. Manual system in the institutes requires a lot of force and time. To overcome this issue, we aim to develop a web portal (Website) for automating the Training and Placement unit of PESMCOE (Progressive Education Society's Modern College of Engineering, Pune). The system will include minimal manual work and maximum optimization, abstraction and security.

The system is an operation which will be penetrated and effectively used throughout the association with proper login enabled. This web operation will help pupils as well as the administration authority (TPO's) to carry out each and every exertion involved in the training and placement process. Pupils logging should be suitable to fill the enrollment form. The crucial point of this system is that it's a onetime enrollment. Pupils can also keep track of their placement process through their dashboard. The system maintains the details of the pupils. The system gets the requested list of eligible students for the companies who would like to hire the people according to their eligibility

criteria. Admin logging in may also search any information put up by the Pupils. This system saves time by dwindling manual labor and reducing the quantum of paper used.

1. INTRODUCTION

1.1: MOTIVATION

Campus recruitment is common in all colleges these days, yet this journey brings a lot of stress to students as well as placement officers. Various software and other sector companies conduct selections to select merit candidates. When Campus selections are made by students submitting their information to the appropriate placement officer to request a lease process. This routine process is maintained manually like collecting the student details and selecting the suitable students based on company criteria.

Traditionally, all important information is displayed on the notice board, as a result of which many students cannot get it information within the specified period. In addition, students manually enter their information, so there is a chance for errors or students they do not update their information in a

timely manner. Thus, there is a requirement for computer automation of the system to reduce the likelihood of errors and provide greater efficiency. The admin module is important module which provides student verification, registration and updating details. The administrator will be able to see the students registered for particular company and their status.

1.2: PROBLEM STATEMENT

This project is aimed at developing an online web application for the Training and Placement cell of the PES Modern College of Engineering. Training and Placement cell will use this system to manage the student's placement-related information. Students can register, see company details and apply to the drives. We are automating the training and placement system to ease the process of placement.

1.3: OBJECTIVE

- a. The main objective of the project "PESMCOE Training And Placement Management System" is to manage the details of Training, Placements, Company and Registered Students to ease the process of placement.
- b. Implementing student, Admin and HR module.
- c. Developing the features like filtering students, searching student, creating and download resume.

1.4: SCOPE

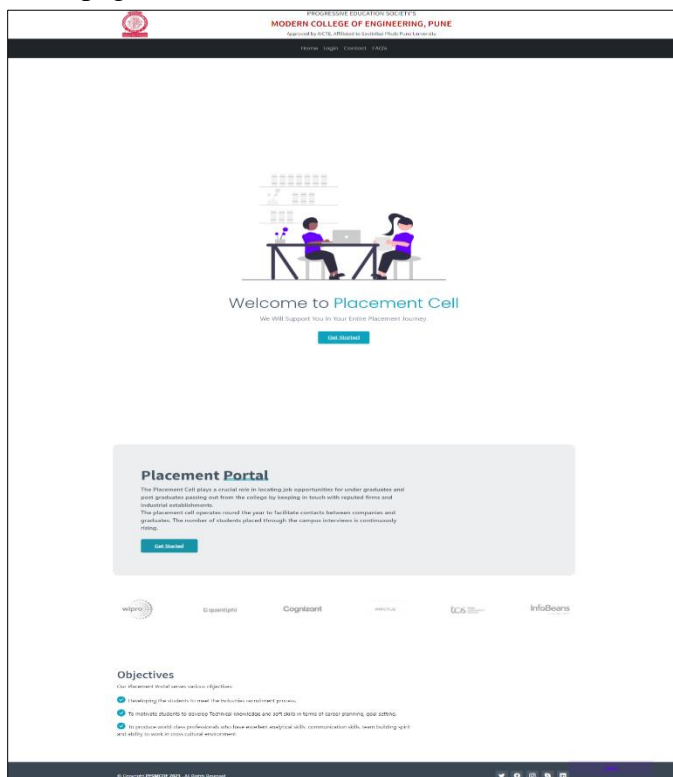
1. Our project primarily helps increase productivity and utilize resources. This was not the case with manual work, so there is no duplication of work, So less work and more morale. The system is intended for user-friendly operation that can resolve ambiguities.
2. This project is a comprehensive management and information system that provides up-to-date information to all students. Our system also helps the college overcome the difficulty of keeping records of hundreds of students and finding the one student who meets the recruitment criteria from everywhere. It helps in using resources effectively and in a timely manner.
3. This project provides an easy-to-use, reliable, and fast management system. Placement officers themselves can carry out the placement process smoothly and effectively. No need to focus on record keeping. College can maintain computerized records, saving paperwork, time and money.

5. FUTURE WORK

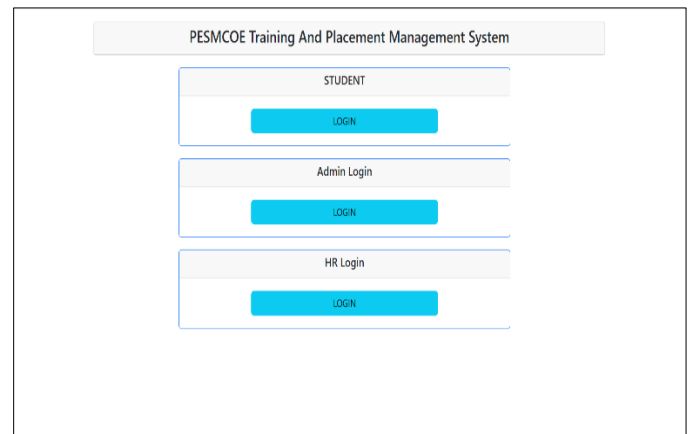
1. To convert the current web application system into the mobile application which will make the use of system more feasible.
2. To provide a add to calendar feature for students to get reminder about their interview / drive.
3. To allow the students to get notification and search results for off campus jobs and internships by matching their profile with job description.
4. To add the feature of resume building.
5. To allow the portal for conducting aptitude test and analysis of that result for each individual student.

6. GUI IMAGES

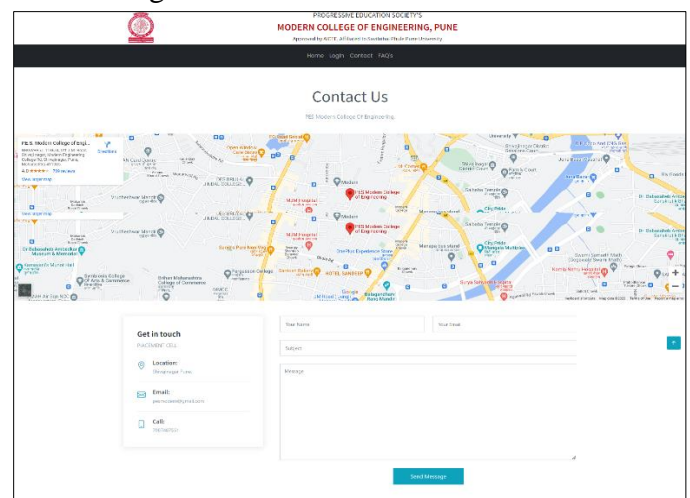
Homepage:



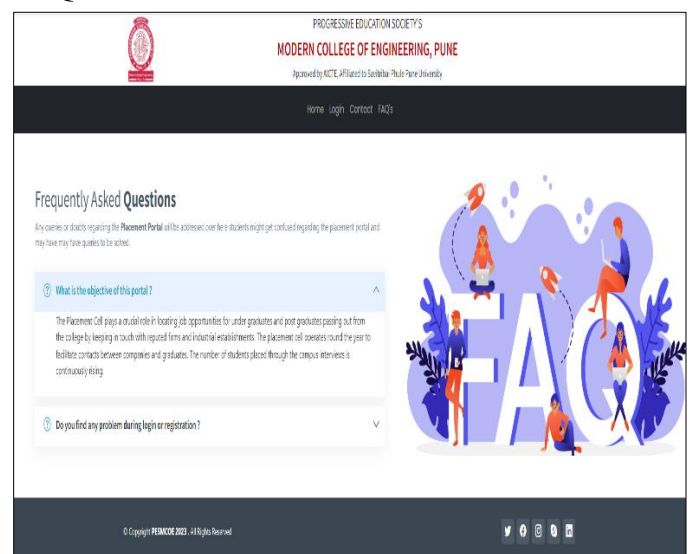
Login Page:



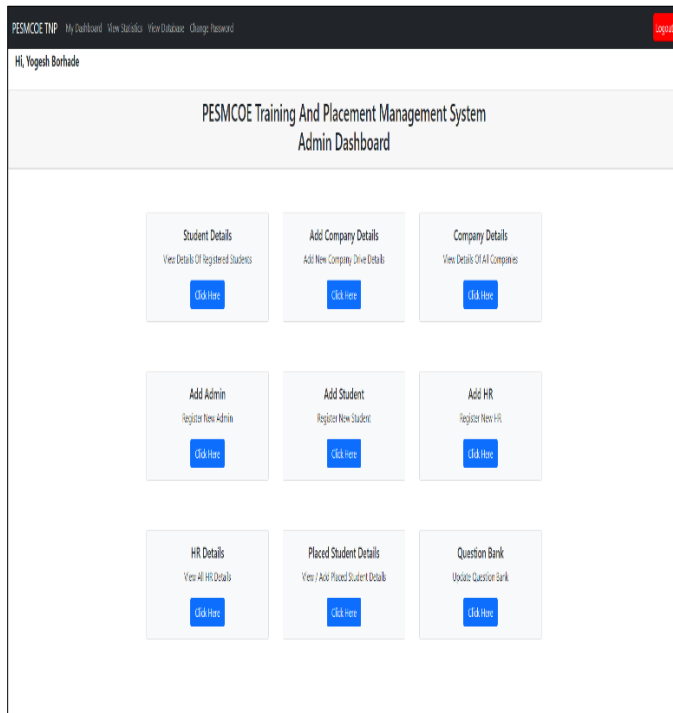
Contact Page:



FAQ:



Admin Dashboard:



Admin Dashboard

Student Details
View Details Of Registered Students
[Click Here](#)

Add Company Details
Add New Company Orive Details
[Click Here](#)

Company Details
View Details Of All Companies
[Click Here](#)

Add Admin
Register New Admin
[Click Here](#)

Add Student
Register New Student
[Click Here](#)

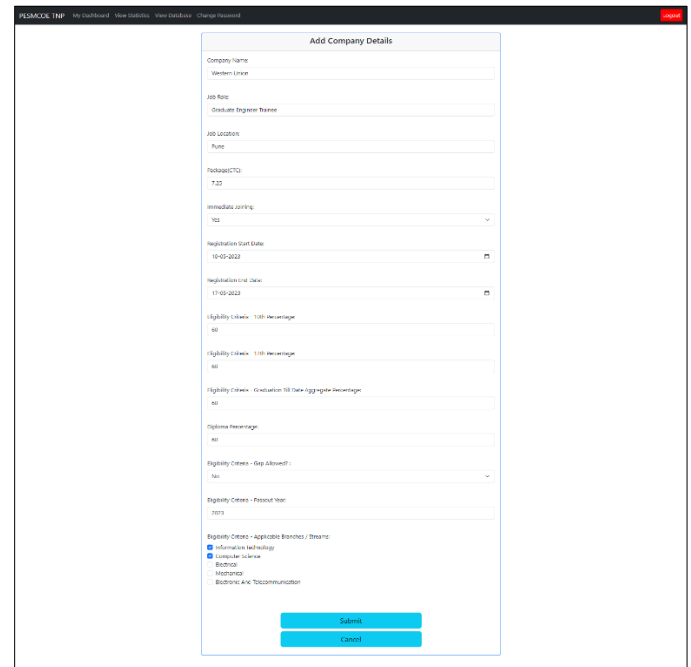
Add HR
Register New HR
[Click Here](#)

HR Details
View All HR Details
[Click Here](#)

Placed Student Details
View / Add Placed Student Details
[Click Here](#)

Question Bank
Update Question Bank
[Click Here](#)

Add Company Details:



Add Company Details

Company Name
Western Union

Job Role
Graduate Engineer Trainee

Job Location
Pune

Package(CTC)
7.25

Immediate Joining
Yes

Registration Start Date
10-05-2023

Registration End Date
17-05-2023

Eligibility Criteria - 10th Percentage
60

Eligibility Criteria - 12th Percentage
60

Eligibility Criteria - Graduation 10th Date (Aggregate Percentage)
60

Diploma Percentage
60

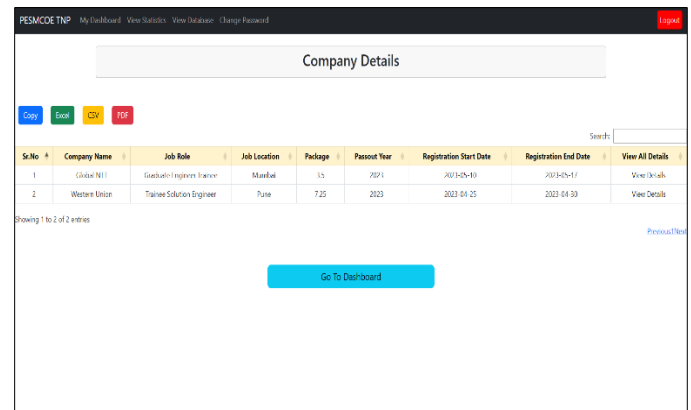
Eligibility Criteria - Gap Allowed
No

Eligibility Criteria - Personal Year
2019

Eligibility Criteria - Applicable Branches / Streams
☒ Information Technology
☐ Computer Science
☐ Biotech
☐ Hardware
☐ Electronic And Telecommunication

[Submit](#)
[Cancel](#)

Company Details:



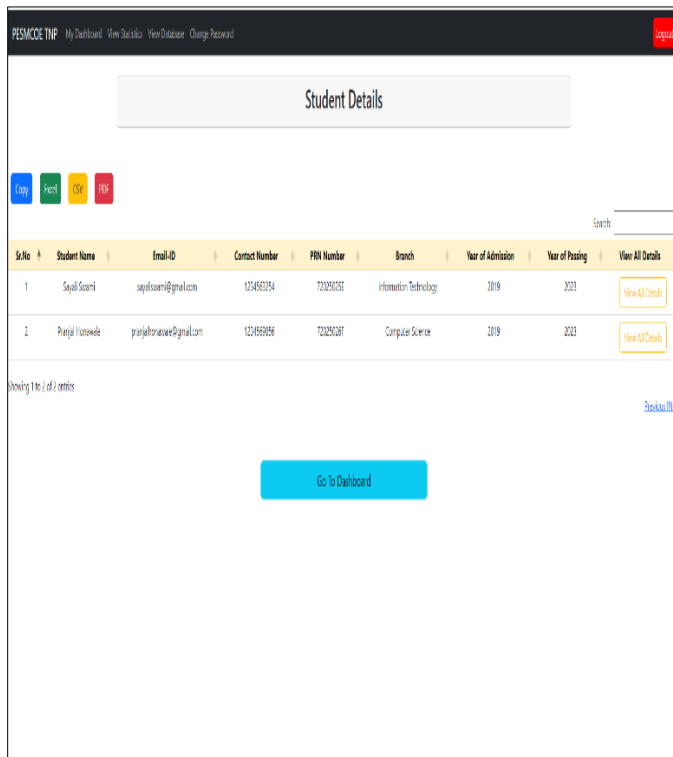
Company Details

S.No	Company Name	Job Role	Job Location	Package	Passout Year	Registration Start Date	Registration End Date	View All Details
1	Global NIT	Graduate Engineer Trainee	Mumbai	15	2021	2023-05-10	2023-05-17	View Details
2	Western Union	Trainee Solution Engineer	Pune	7.25	2023	2023-04-25	2023-04-30	View Details

Showing 1 to 2 of 2 entries

[Go To Dashboard](#)

Student Details:



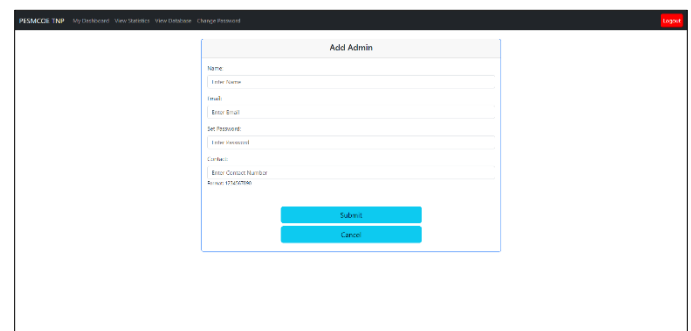
Student Details

S.No	Student Name	Email-ID	Contact Number	PNH Number	Branch	Year of Admission	Year of Passing	View All Details
1	Sayli Sonni	saylissonni@gmail.com	924963254	720290261	Information Technology	2019	2023	View All Details
2	Pooja Honsale	poojahonsale@gmail.com	924963266	720290267	Computer Science	2019	2023	View All Details

Showing 1 to 2 of 2 entries

[Go To Dashboard](#)

Add Admin:



Add Admin

Name
Enter Name

Email
Enter Email

Set Password
Enter Password

Confirm
Enter Confirm Password
Repeat (123456789)

[Submit](#)
[Cancel](#)

Add Student:

PESMCODE TNP My Dashboard View Statistics View Database Change Password Logout

Add Student

Email
Enter Email

Set Password
Enter Password

PRN
Enter PRN Number

Submit Cancel

Placed Student Details:

PESMCODE TNP My Dashboard View Statistics View Database Change Password Logout

Placed Student Details

Copy Edit Add Del

Student Name	Company Name	Package	Contact	Passout Year	Branch	Email	PRN
Phuraj Chakraborty Monasale	Western Union	7.75	0756484754	2024	CS	phurajchakraborty@gmail.com	20202019

Showing 1 to 1 of 1 entries

Add New Placed Student Details Go To Dashboard

Add HR:

PESMCODE TNP My Dashboard View Statistics View Database Change Password Logout

Add HR

Email
Enter Email

Set Password
Enter Password

Company ID
Enter Company ID

Contact Number
Enter Contact Number (5)
Supplies Multiple Contacts With Commas e.g. 123456789, 23456789

Submit Cancel

View All Question Banks:

PESMCODE TNP My Dashboard View Statistics View Database Change Password Logout

Update Question Banks

Sl.No	Company Name	Questions
1	Western Union	Update

Add New Company questions Go To Dashboard

Update Question Bank of Company:

PESMCODE TNP My Dashboard View Statistics View Database Change Password Logout

Add Questions

Questions Added

1. What is the difference between a function and a procedure?
2. What is the difference between a function and a procedure?
3. What is the difference between a function and a procedure?
4. What is the difference between a function and a procedure?
5. What is the difference between a function and a procedure?
6. What is the difference between a function and a procedure?
7. What is the difference between a function and a procedure?
8. What is the difference between a function and a procedure?
9. What is the difference between a function and a procedure?

Save Cancel

HR Details:

PESMCODE TNP My Dashboard View Statistics View Database Change Password Logout

HR Details

Copy Edit Add Del

Sl.No	Company Name	Company ID	HR Email ID	Contact Number
1	Western Union	16	hr@wuc.com	123654726

Showing 1 to 1 of 1 entries

Go To Dashboard

Statistics:

PESMCODE TNP My Dashboard View Statistics View Database Change Password Logout

Statistics

Total Drives Conducted 2	Total Placed Students 1	Total Student Registered 2
Total Student Profiles 2	Total HRs 1	

View Database (Applied Student Details):

PESMCOE TNP My Dashboard View Statistics View Database Change Password Logout

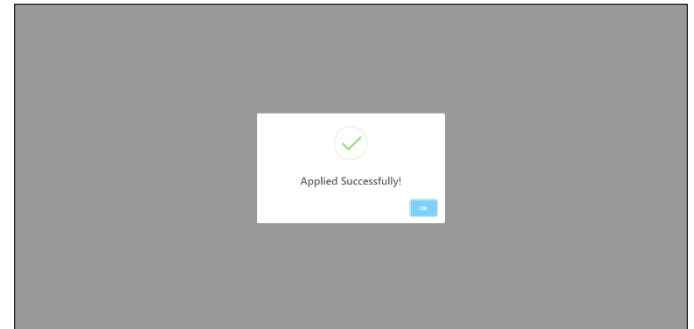
Student Details Applied To Companies

S.No	Student Name	Company Name	Email-ID	Contact Number	Branch	View All Details
1	Sayali Swami	Global NTT	sayali123@gmail.com	123456789	Information Technology	View All Details
2	Pranjal Horawalke	Global NTT	pranjalhorawalke@gmail.com	123456789	Computer Science	View All Details

Showing 1 to 2 of 2 entries

Go To Dashboard

Applied For Drive Successfully Message:



Student Dashboard:

PESMCOE TNP My Dashboard My Profile Create Resume Change Password Logout

Please Keep Your Profile Updated To Apply For Drive

Hi, Pranjal Horawalke

PESMCOE Training And Placement Management System
Student Dashboard

Apply Company

Apply for drives of Company You Are Eligible for

Click here

Applied Companies

View All Companies You Applied for

Click here

Track Placement Status

Check Your Placement Status

Click here

Question Bank

View Previously Asked Questions

Click here

Applied Drive Details:

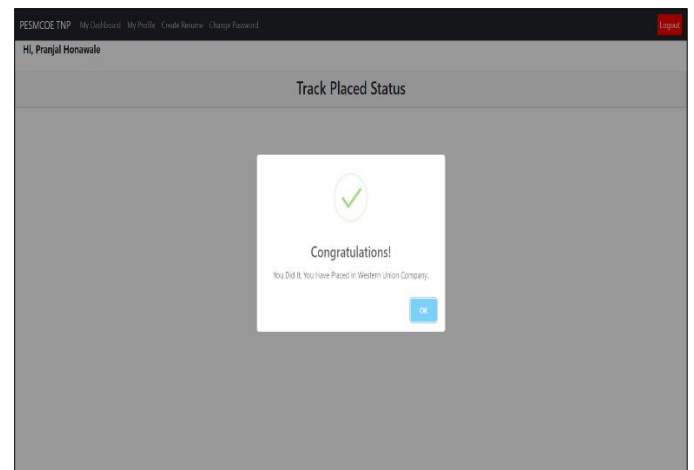
PESMCOE TNP My Dashboard My Profile Create Resume Change Password Logout

Hi, Sayali Swami

Companies Applied

S.No	Company Name	Job Role	Job Location	Package	Registration Start Date	Registration End Date	Apply Status
1	Global NTT	Graduate Engineer Trainee	Mumbai	3.5	2023-05-10	2023-05-17	Applied

Track Placed Status (Placed):



Apply For Drives:

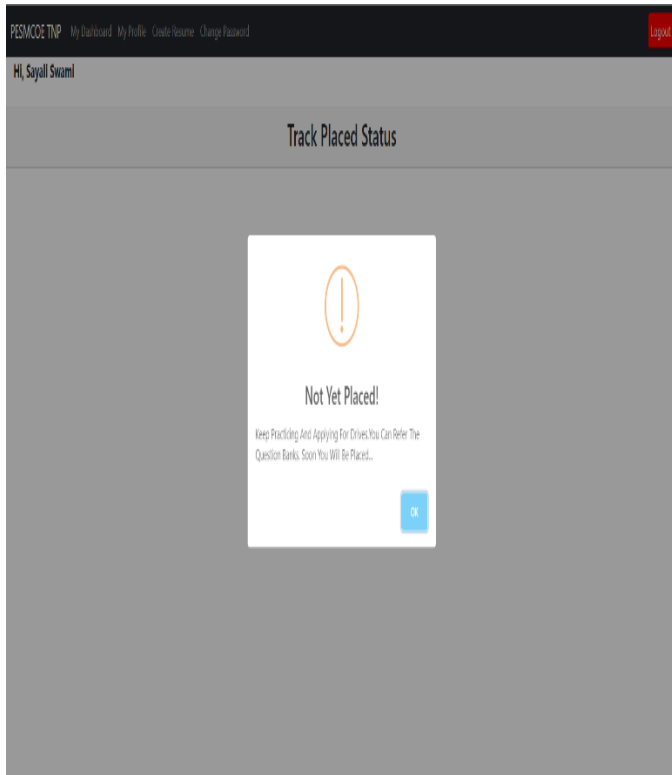
PESMCOE TNP My Dashboard My Profile Create Resume Change Password Logout

Hi, Sayali Swami

Apply For Drives

S.No	Company Name	Job Role	Job Location	Package	Passout Year	Registration Start Date	Registration End Date	View All Details	Apply Now
1	Global NTT	Graduate Engineer Trainee	Mumbai	3.5	2023	2023-05-10	2023-05-17	View Details	Apply
2	Western Union	Trainee Solution Engineer	Pune	7.25	2023	2023-04-25	2023-04-30	View Details	Registrations Closed


Track Placed Status (Unplaced):



PESSMOE TNP My Dashboard My Profile Create Resume Change Password

Hi, Sayali Swami

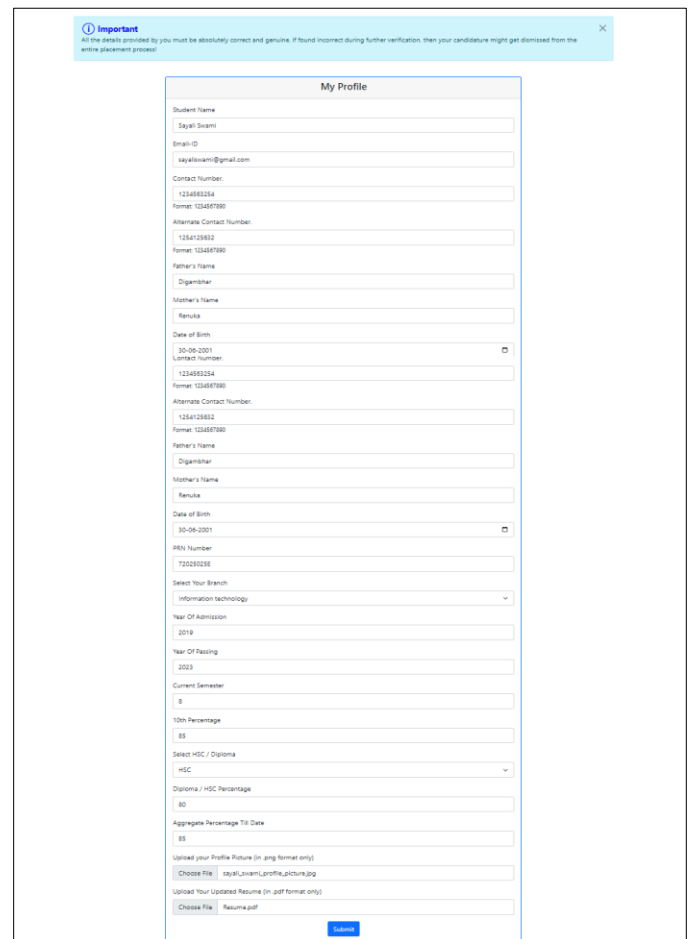
Track Placed Status



Not Yet Placed!

Keep Practicing And Applying For Drives You Can Refer The Question Banks. Soon You Will Be Placed...

Student Profile Update:



Important
All the details provided by you must be absolutely correct and genuine. If found incorrect during further verification, then your candidature might get dismissed from the entire placement process!

My Profile

Student Name
Sayali Swami

Email-ID
sayalivswami@gmail.com

Contact Number
1234567890
Format: 1234567890

Alternate Contact Number
1234567890
Format: 1234567890

Father's Name
Digambar

Mother's Name
Renuka

Date of Birth
30-06-2001
Contact Number
1234567890
Format: 1234567890
Alternate Contact Number
1234567890
Format: 1234567890

Father's Name
Digambar

Mother's Name
Renuka

Date of Birth
30-06-2001

PRN Number
720290286

Select Your Branch
Information technology

Year Of Admission
2019

Year Of Passing
2023

Current Semester
8

10th Percentage
88

Select HSC / Diploma
HSC

Diploma / HSC Percentage
80

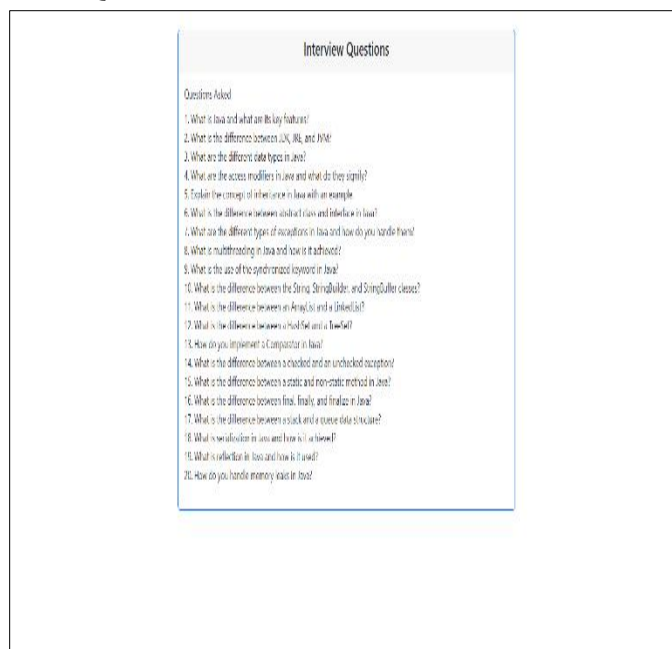
Aggregate Percentage Till Date
88

Upload your Profile Picture (in .png format only)
Choose File sayali_swami_profile_picture.jpg

Upload Your Updated Resume (in .pdf format only)
Choose File Resume.pdf

Submit

View Question Bank:

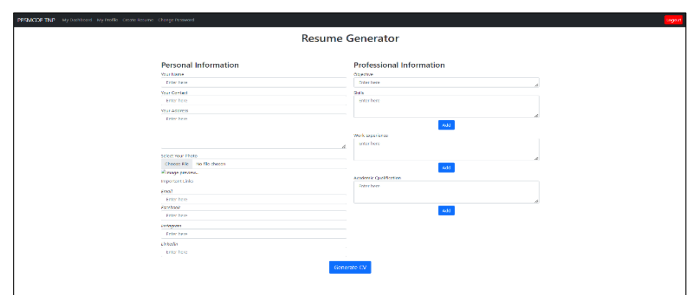


Interview Questions

Questions Asked

1. What is Java and what are its key features?
2. What is the difference between JDK, JRE, and JVM?
3. What are the different data types in Java?
4. What are the access modifiers in Java and what do they signify?
5. Explain the concept of inheritance in Java with an example.
6. What is the difference between abstract class and interface in Java?
7. What are the different types of exceptions in Java and how do you handle them?
8. What is multithreading in Java and how is it achieved?
9. What is the use of the synchronized keyword in Java?
10. What is the difference between the String, StringBuffer, and StringBuilder classes?
11. What is the difference between an Arraylist and a LinkedList?
12. What is the difference between a HashSet and a TreeSet?
13. How do you implement a Comparator in Java?
14. What is the difference between a checked and an unchecked exception?
15. What is the difference between a static and non-static method in Java?
16. What is the difference between final, finally, and finalize in Java?
17. What is the difference between a stack and a queue data structure?
18. What is recursion in Java and how is it used?
19. What is reflection in Java and how is it used?
20. How do you handle memory leaks in Java?

Generate Resume:



Resume Generator

Personal Information

Full Name
Date of Birth
New Contact
Old Contact
Email Address
Phone Number

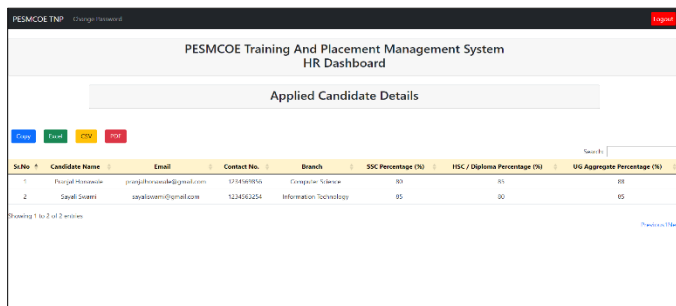
Professional Information

Education
Experience
Address (Current)
Address (Previous)

Work Experience
Address (Current)
Address (Previous)

Generate CV

HR Dashboard:



Sl.No	Candidate Name	Email	Contact No.	Branch	SSC Percentage (%)	HSC / Diploma Percentage (%)	UG Aggregate Percentage (%)
1	Prasad Hirananda	prasadhirananda@gmail.com	9748487854	Computer Science	80	85	88
2	Saral Swami	swaliswami@gmail.com	9245924584	Information Technology	85	90	95

7. CONCLUSION

The existing system carry out all the tasks and processes involved in placement manually which makes the current system error prone. Also, the updating and searching of particular record is tedious task and requires lot of time.

In the proposed “PESMCOE Training And Placement Management System” all the tasks involved in placement process are carried out digitally and with automation. The storing and retrieval of the information is easy and efficient. This system saves the time and the paper work required in

the existing system.

8. REFERENCES

- [1] International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 Special Issue – 2016
- [2] International Journal of Innovative Science and Research Technology ISSN No:-2456-2165 Volume 5, Issue 5, May – 2020
- [3] Journal of Emerging Technologies and Innovative Research (JETIR) ISSN-2349-5162) Volume 8, Issue 4 April 2021
- [4] International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538 Volume 10 Issue IV Apr 2022